

Title (en)

ANTI-SCALING CONTROL ELEMENT FOR A ROTARY CONTROL VALVE

Title (de)

ANTISCALING-STEUERELEMENT FÜR EIN DREHSTELLVENTIL

Title (fr)

ELEMENT DE CONTROLE ANTITARTRE POUR VANNE DE COMMANDE ROTATIVE

Publication

**EP 1604134 A1 20051214 (EN)**

Application

**EP 04705272 A 20040126**

Priority

- US 2004002047 W 20040126
- US 39169203 A 20030319

Abstract (en)

[origin: US2004183046A1] A control element for a rotary control valve is attached to a rotating shaft by at least one ear. The control element includes at least two surfaces, the first surface being generally sealable with a flow ring. The second surface is generally recessed from the first surface to facilitate fluid flowing through the valve across the first surface to prevent scaling or buildup of foreign material on that surface.

IPC 1-7

**F16K 5/06**

IPC 8 full level

**F16K 5/06** (2006.01); **F16K 25/00** (2006.01)

CPC (source: EP US)

**F16K 5/0605** (2013.01 - EP US); **F16K 25/005** (2013.01 - EP US)

Citation (search report)

See references of WO 2004094880A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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**US 39169203 A 20030319**; BR PI0407825 A 20040126; CA 2515460 A 20040126; CN 200480005255 A 20040126; EP 04705272 A 20040126; JP 2006508625 A 20040126; MX PA05009941 A 20040126; US 2004002047 W 20040126